

FIG. 2

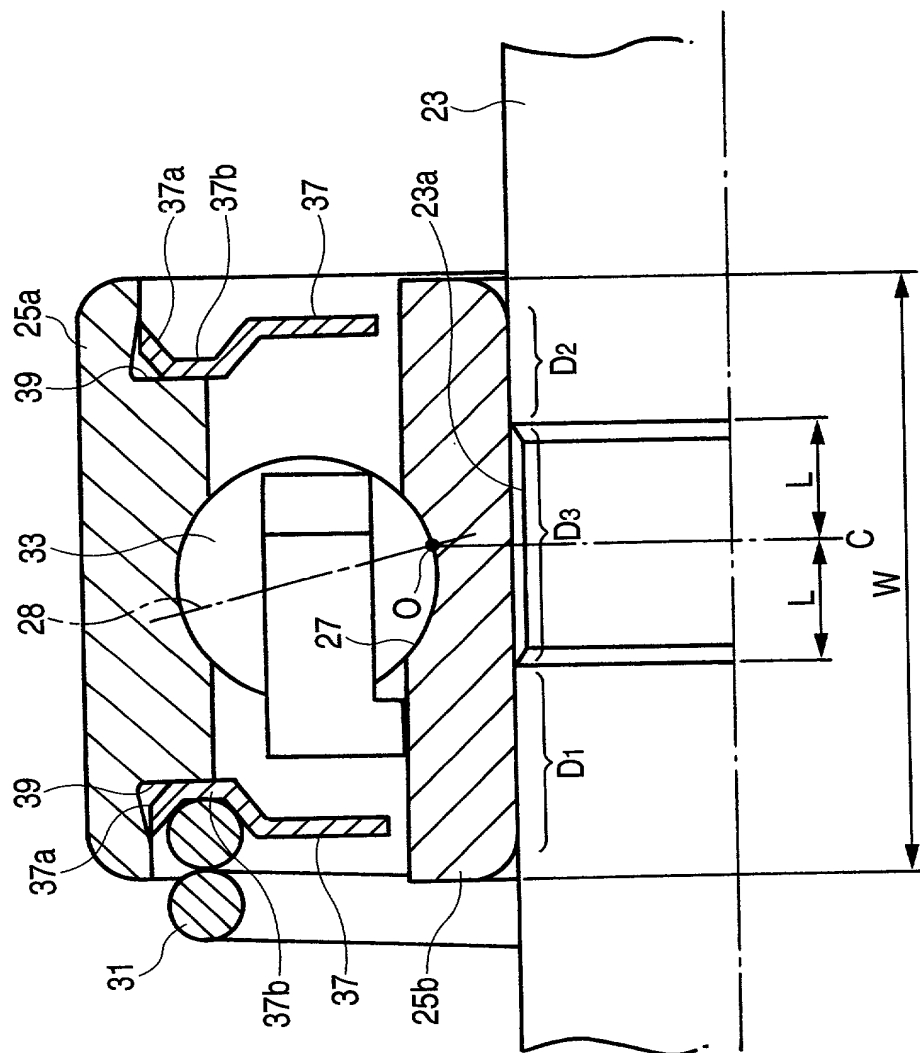


FIG. 3

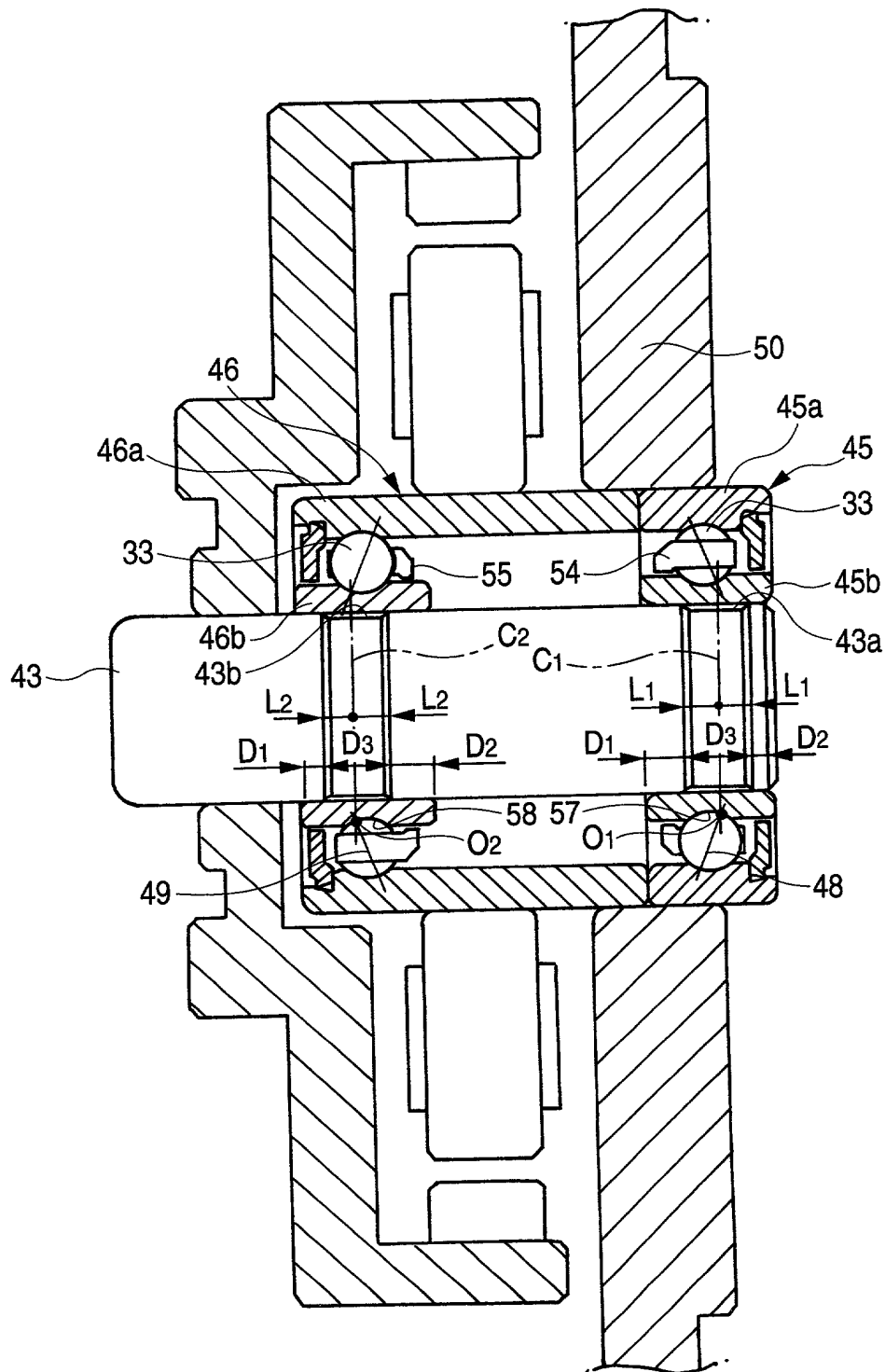


FIG. 4

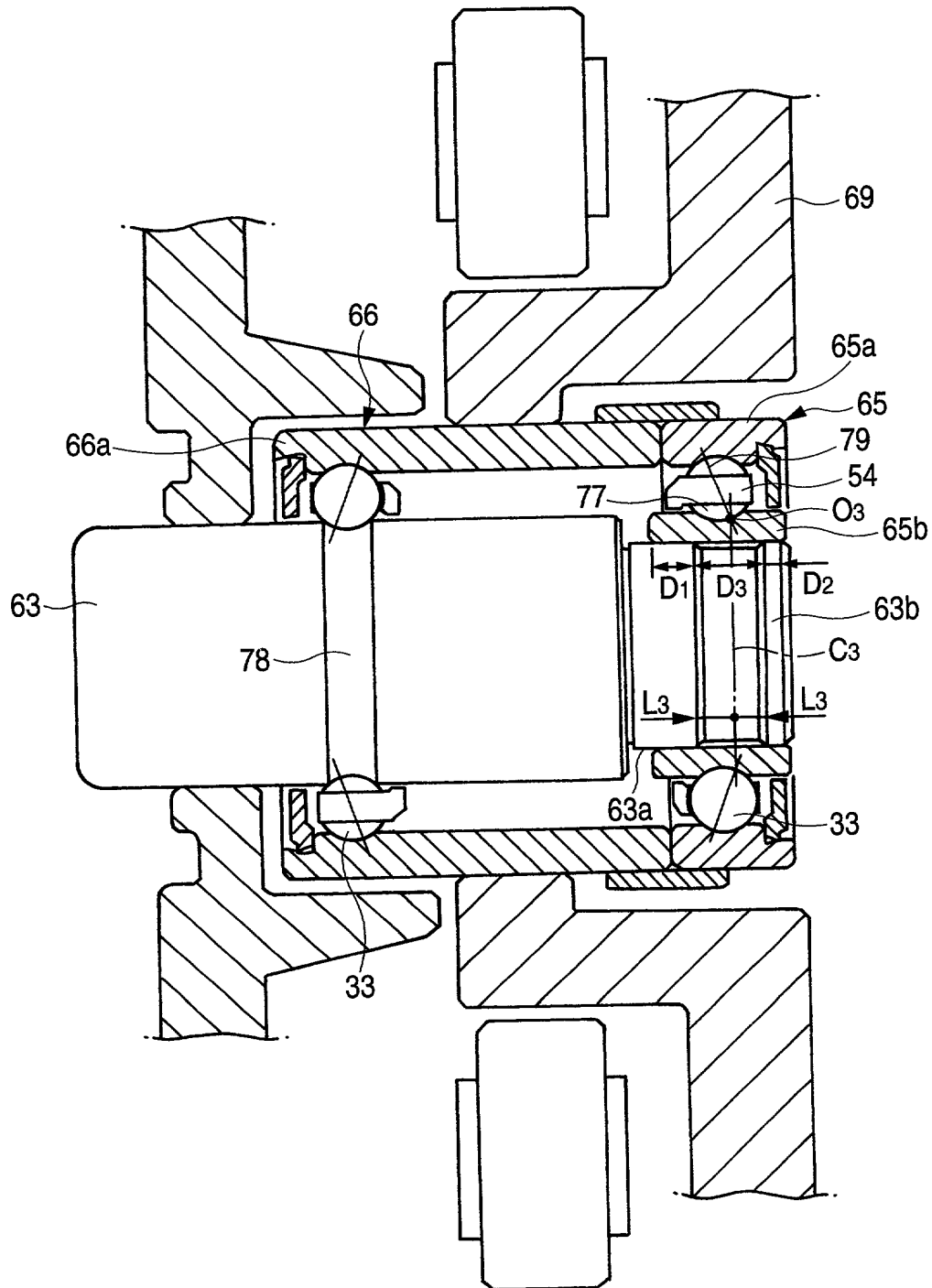


FIG. 5

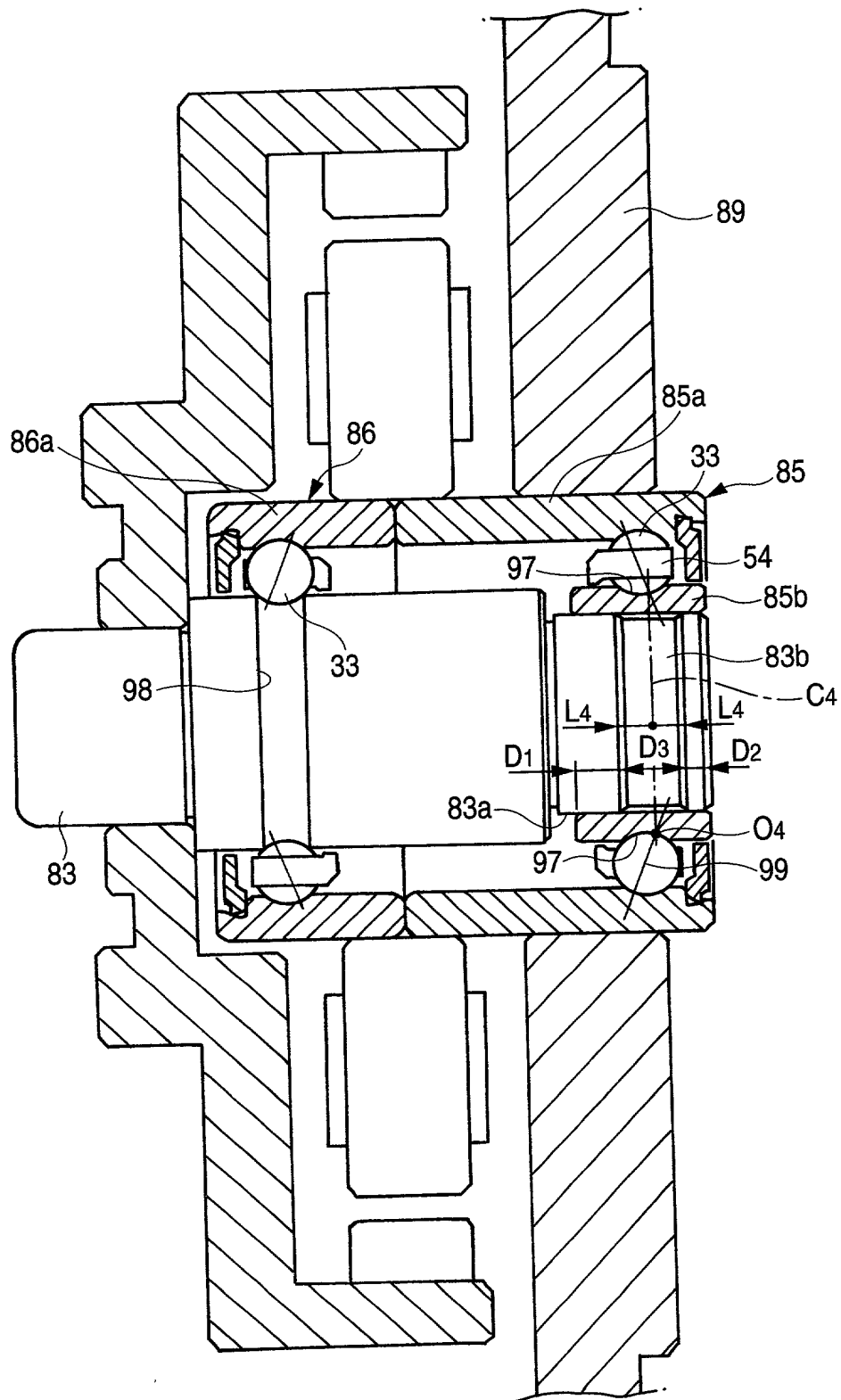
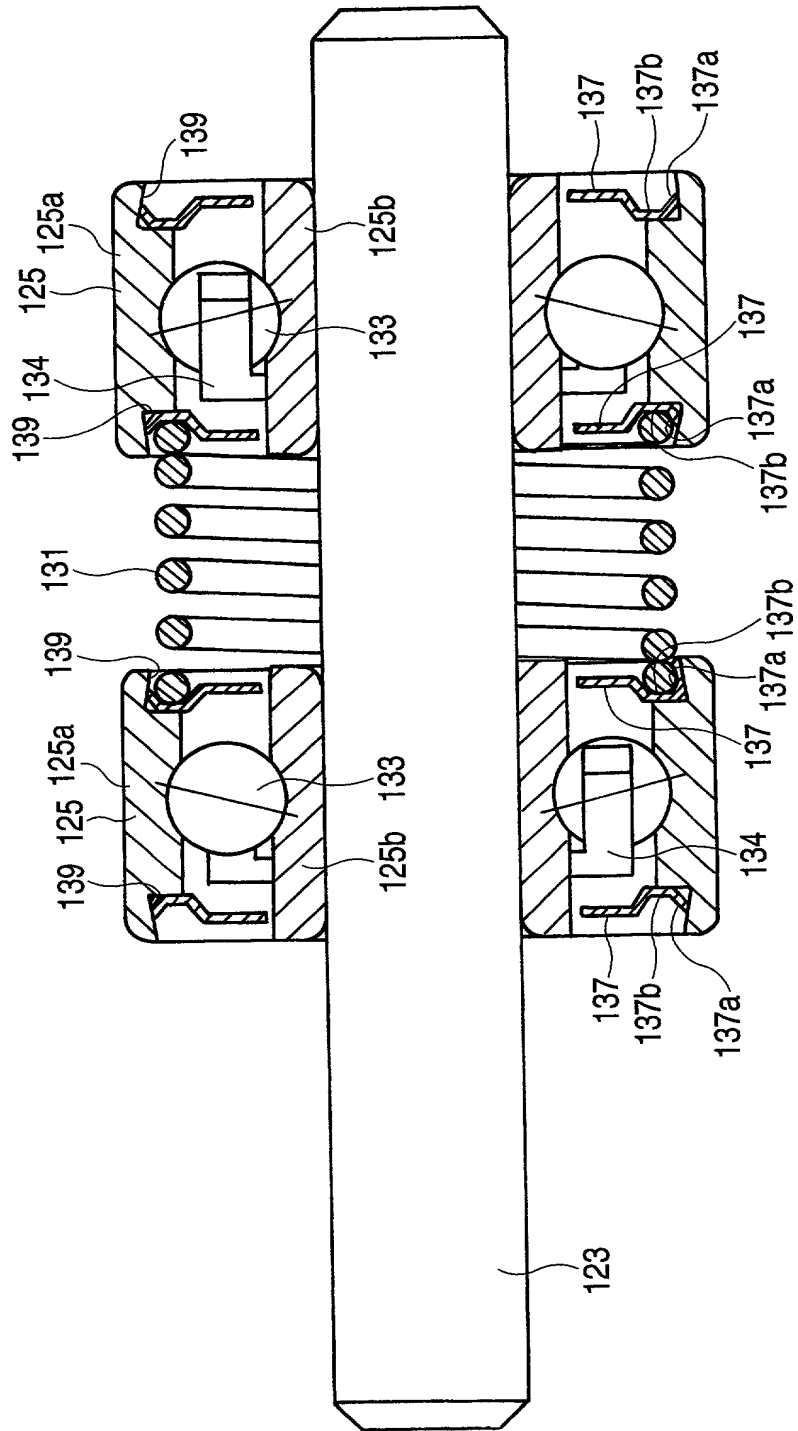
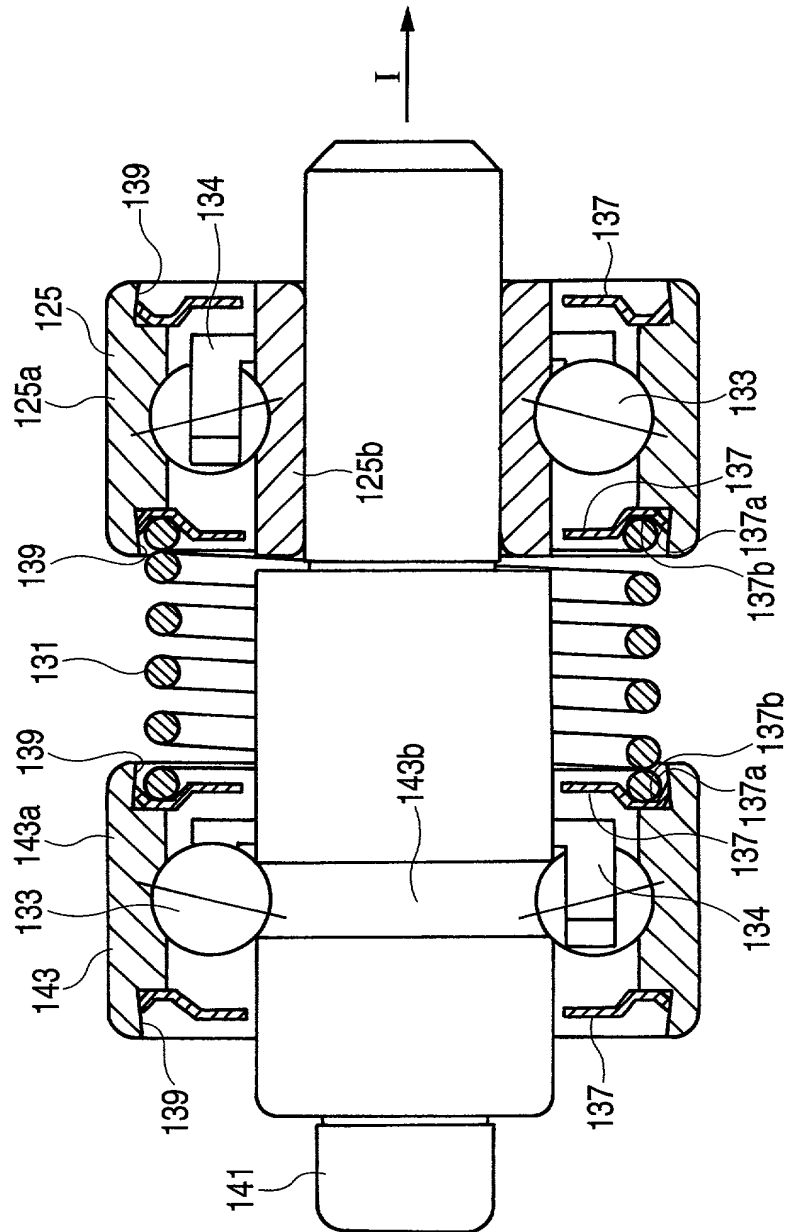


FIG. 6



Variable	Unit	Value	Variable	Unit	Value
Age	years	25	Weight	kg	70
Height	m	1.75	Heart rate	beats/min	75
Gender	male/female	male	Exercise	min	30
Smoking	yes/no	no	Medication	mg	10
Diagnosis	type 1/type 2	type 2	Insulin	U/kg	0.5
Complications	retinopathy/neuropathy/nephropathy	none	Glucose	mmol/L	5.5
Duration	years	10	Cholesterol	mmol/L	2.5
Family history	diabetes/heart disease	diabetes	Blood pressure	mmHg	120/80
Previous surgery	gastrectomy/pancrectomy	gastrectomy	Alcohol	g/day	20
Stress	low/moderate/high	moderate	Sleep	h/night	7
Compliance	high/low	high	Medication adherence	%	95
Education	years	12	Work status	employed/unemployed	employed
Income	\$/month	1500	Marital status	married/single/divorced	married
Exercise frequency	times/week	3	Dietary intake	calories/day	2000
Medication type	insulin/oral hypoglycemics	insulin	Physical activity	min/week	150
Insulin dose	U/kg/day	0.5	Stress management	techniques	meditation
Glucose tolerance	mmol/L/h	5.5	Compliance with diet	%	80
HbA1c	%	7.5	Medication adherence	%	90
Cholesterol level	mmol/L	2.5	Exercise adherence	%	70
Blood pressure	mmHg	120/80	Dietary adherence	%	60
Alcohol consumption	g/day	20	Sleep hygiene	score	15
Insulin sensitivity	µU/kg/min	0.5	Work-life balance	score	10
Glucose variability	mmol/L	1.5	Marital satisfaction	score	5
Cholesterol ratio	mmol/L	2.5	Dietary diversity	score	10
Blood pressure variability	mmHg	10	Physical activity level	score	10
Alcohol tolerance	g/day	20	Stress management techniques	score	10
Insulin resistance	µU/kg/min	0.5	Compliance with medication	%	90
Glucose control	mmol/L	5.5	Exercise frequency	times/week	3
HbA1c variability	%	7.5	Dietary intake	calories/day	2000
Cholesterol level variability	mmol/L	2.5	Physical activity	min/week	150
Blood pressure variability	mmHg	120/80	Sleep hygiene	score	15
Alcohol consumption variability	g/day	20	Work-life balance	score	10
Insulin sensitivity variability	µU/kg/min	0.5	Marital satisfaction	score	5
Glucose control variability	mmol/L	5.5	Dietary diversity	score	10
HbA1c variability	%	7.5	Physical activity level	score	10
Cholesterol level variability	mmol/L	2.5	Stress management techniques	score	10
Blood pressure variability	mmHg	120/80	Compliance with medication	%	90
Alcohol consumption variability	g/day	20	Exercise frequency	times/week	3
Insulin sensitivity variability	µU/kg/min	0.5	Dietary intake	calories/day	2000
Glucose control variability	mmol/L	5.5	Physical activity	min/week	150
HbA1c variability	%	7.5	Sleep hygiene	score	15
Cholesterol level variability	mmol/L	2.5	Work-life balance	score	10
Blood pressure variability	mmHg	120/80	Marital satisfaction	score	5
Alcohol consumption variability	g/day	20	Dietary diversity	score	10
Insulin sensitivity variability	µU/kg/min	0.5	Physical activity level	score	10
Glucose control variability	mmol/L	5.5	Stress management techniques	score	10
HbA1c variability	%	7.5	Compliance with medication	%	90
Cholesterol level variability	mmol/L	2.5	Exercise frequency	times/week	3
Blood pressure variability	mmHg	120/80	Dietary intake	calories/day	2000
Alcohol consumption variability	g/day	20	Physical activity	min/week	150
Insulin sensitivity variability	µU/kg/min	0.5	Sleep hygiene	score	15
Glucose control variability	mmol/L	5.5	Work-life balance	score	10
HbA1c variability	%	7.5	Marital satisfaction	score	5
Cholesterol level variability	mmol/L	2.5	Dietary diversity	score	10
Blood pressure variability	mmHg	120/80	Physical activity level	score	10
Alcohol consumption variability	g/day	20	Stress management techniques	score	10
Insulin sensitivity variability	µU/kg/min	0.5	Compliance with medication	%	90
Glucose control variability	mmol/L	5.5	Exercise frequency	times/week	3
HbA1c variability	%	7.5	Dietary intake	calories/day	2000
Cholesterol level variability	mmol/L	2.5	Physical activity	min/week	150
Blood pressure variability	mmHg	120/80	Sleep hygiene	score	15
Alcohol consumption variability	g/day	20	Work-life balance	score	10
Insulin sensitivity variability	µU/kg/min	0.5	Marital satisfaction	score	5
Glucose control variability	mmol/L	5.5	Dietary diversity	score	10
HbA1c variability	%	7.5	Physical activity level	score	10
Cholesterol level variability	mmol/L	2.5	Stress management techniques	score	10
Blood pressure variability	mmHg	120/80	Compliance with medication	%	90
Alcohol consumption variability	g/day	20	Exercise frequency	times/week	3
Insulin sensitivity variability	µU/kg/min	0.5	Dietary intake	calories/day	2000</



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III
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FIG. 9

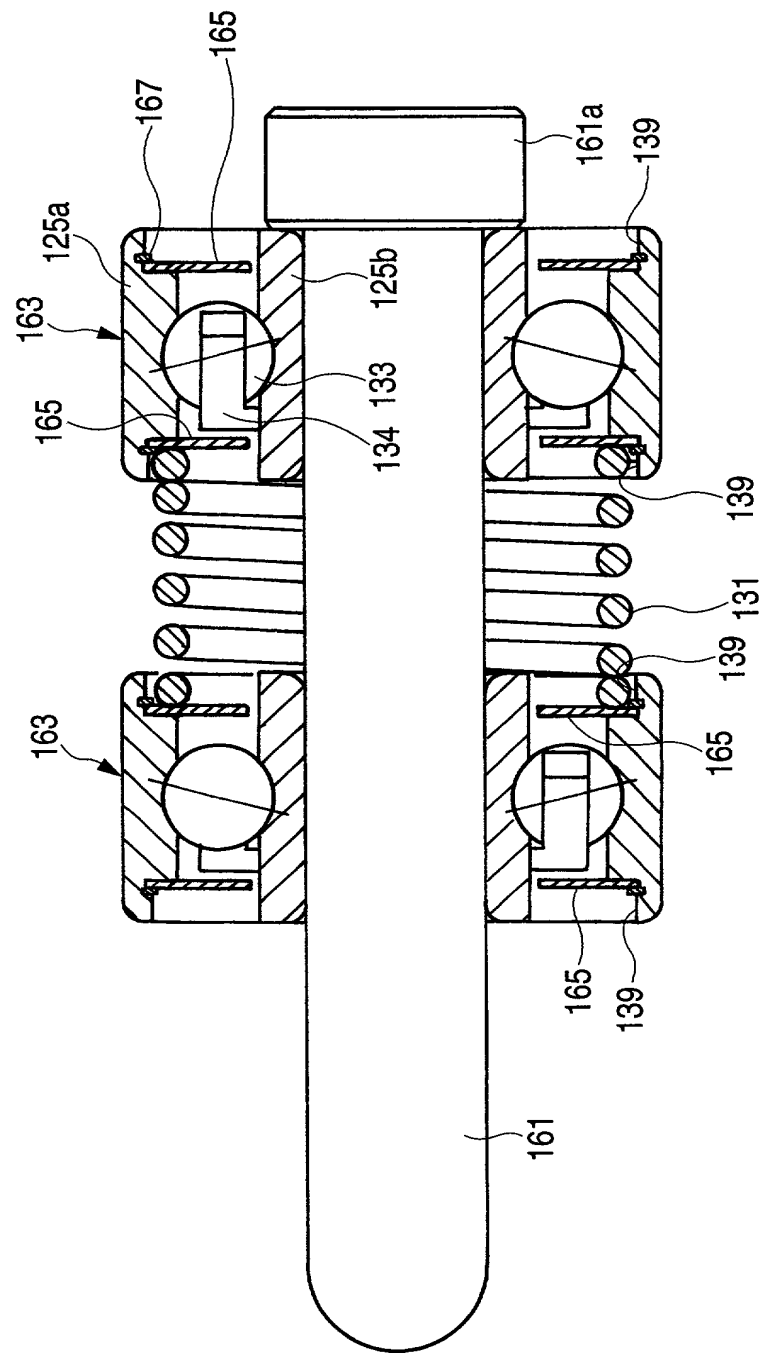




FIG. 11

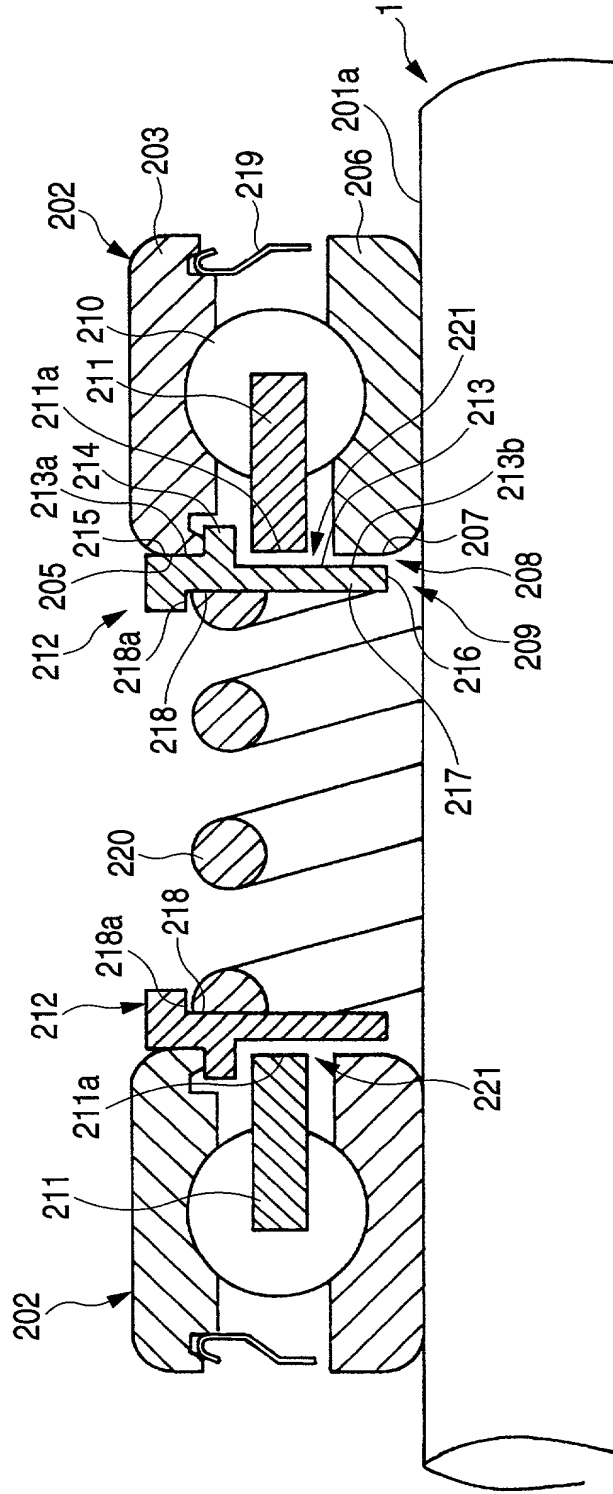


FIG. 12

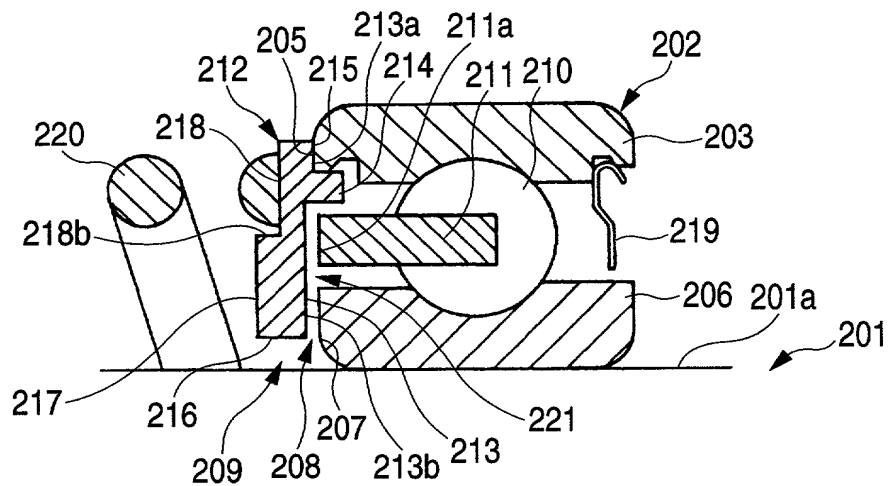


FIG. 13

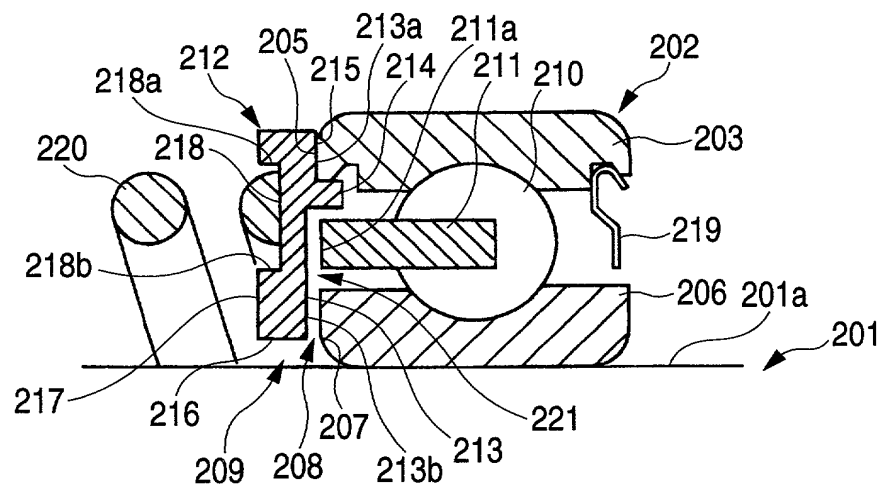


FIG. 14

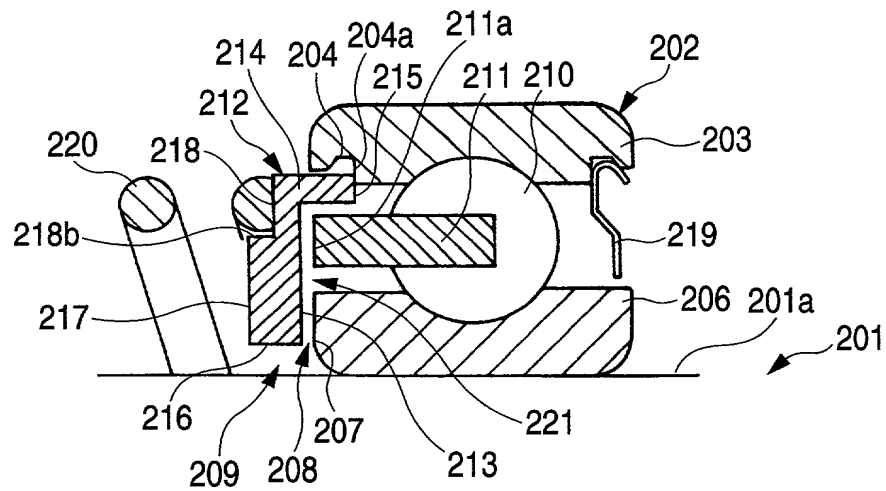


FIG. 15

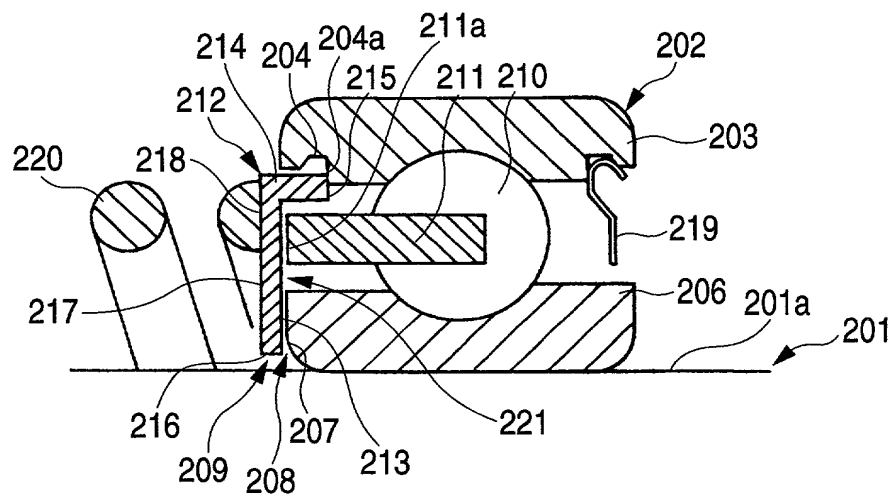


FIG. 16

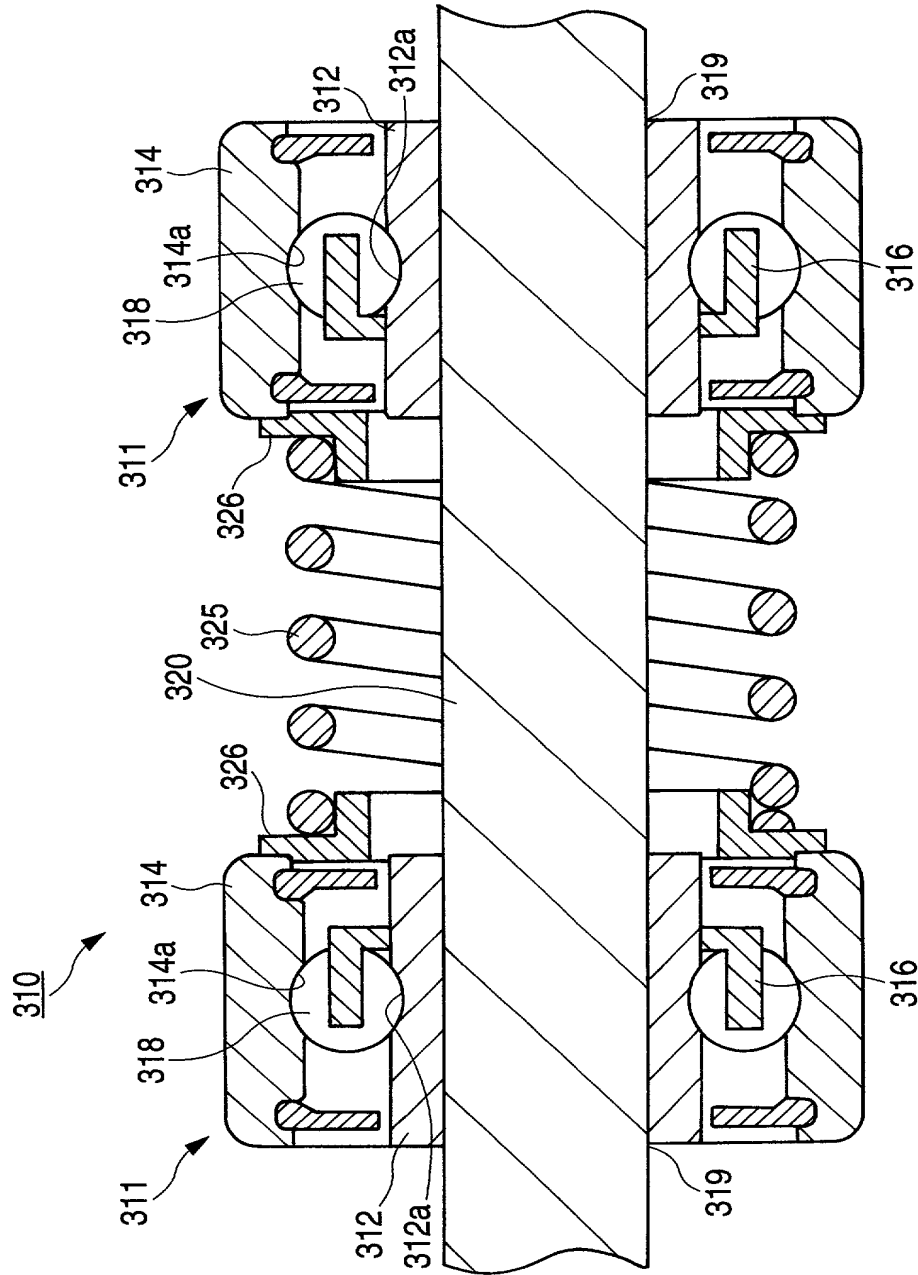


FIG. 17

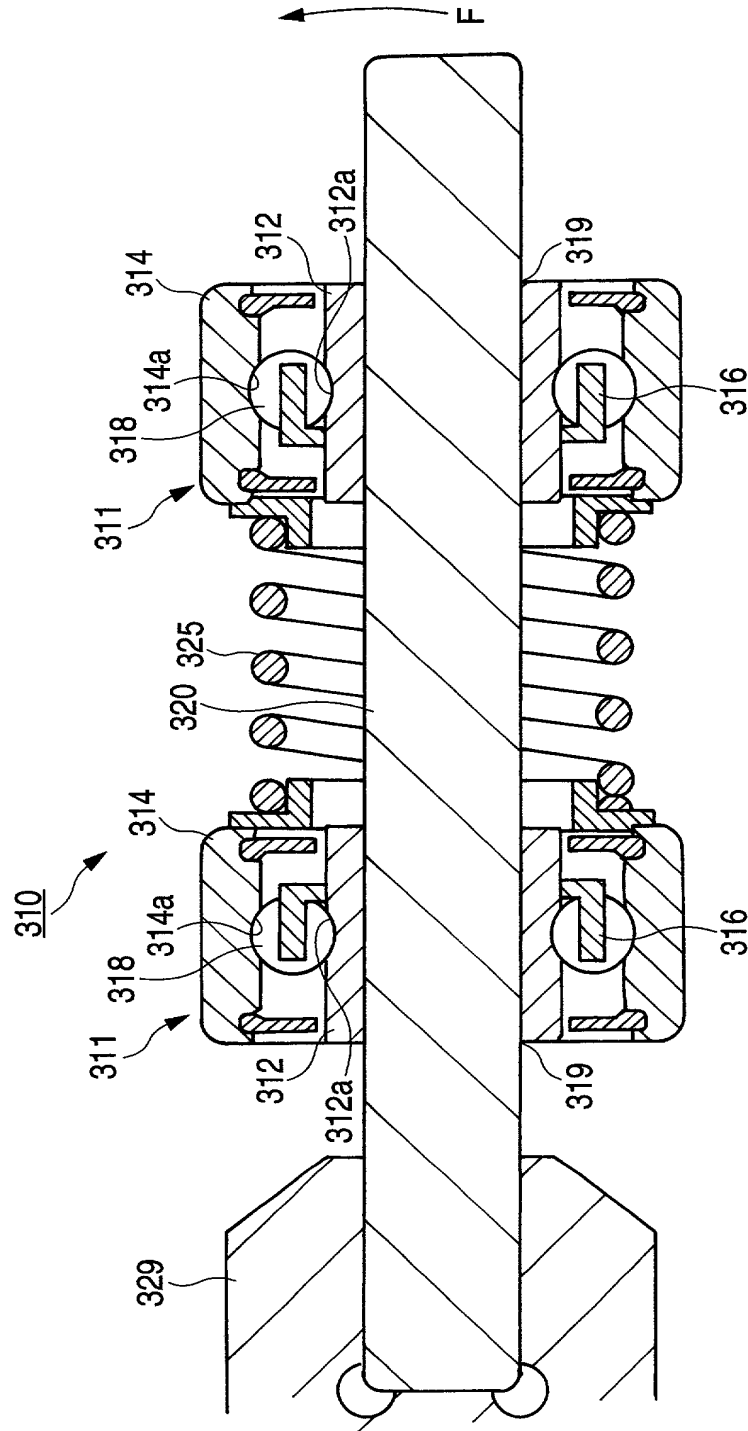


FIG. 18

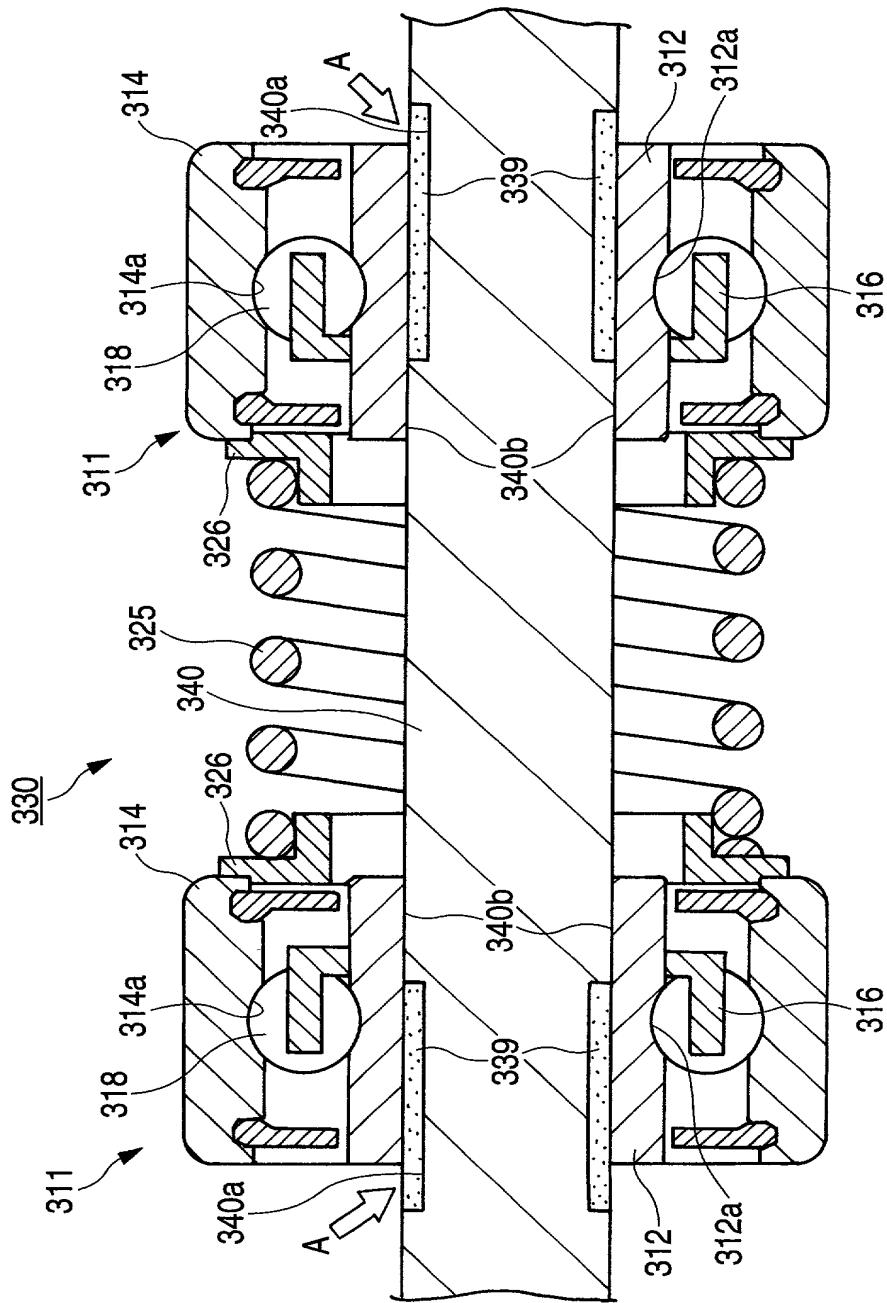


FIG. 19

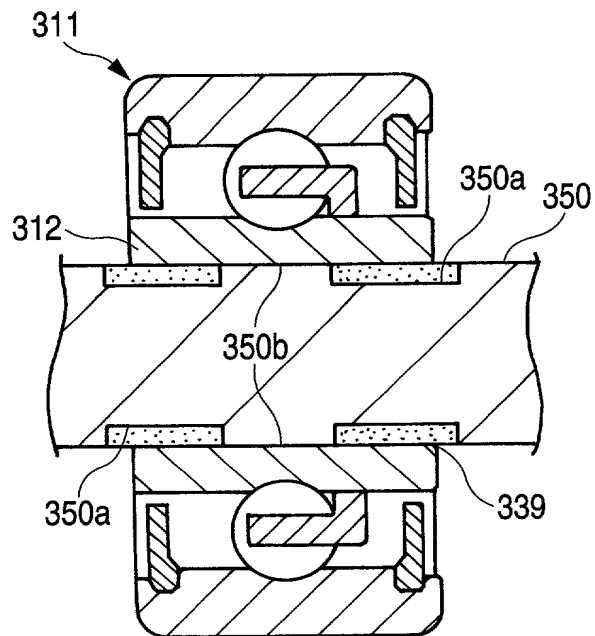


FIG. 20

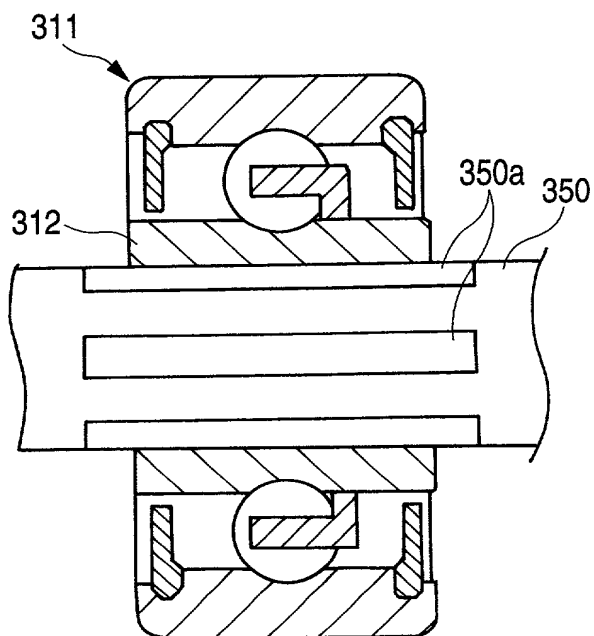


FIG. 21
PRIOR ART

